

P-5

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

OCT 21 2004

PATENT & TRADEMARK OFFICE
U.S. DEPARTMENT OF COMMERCE

Docket Number (Optional)

UCT-0040

Application Number

10/755,856

Applicant(s)

Gell, et al.

Filing Date

January 12, 2004

Group Art Unit

1762 / 775

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
LX		2,746,883	5/22/1956	J.B. Powers			
		4,603,568	8/5/1986	Siemers, et al.			
		5,250,780	10/5/1993	Hansz, et al.			

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
LX	WO 98/41316	24.09.98	PCT				

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

		International Search Report dated 24/09/2004

EXAMINER

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11/18/06

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				APPLICANT(S) Gell, et al.	FILING DATE January 12, 2004		GROUP ART UNIT 1762 / 755
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
LX	4,377,371	3/22/1983	Wisander, et al.	415	174	3/11/1981	
✓	5,032,568	7/16/1991	Lau, et al.	505	1	9/1/1989	
✓	5,073,433	12/17/1991	Taylor,	428	134	10/20/1989	
✓	5,304,519	4/19/1994	Jackson, et al.	501	103	10/28/1992	
✓	5,418,015	5/23/1995	Jackson, et al.	427	452	3/28/1994	
U.S. PATENT APPLICATION PUBLICATIONS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
LX	UK2100621	11.06.1981	United Kingdom				
✓	WO 97/05994	20.02.1997	PCT				
✓	WO 00/00660	06.01.00	PCT				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
LX	Arellano-Lopez, "Microstructural Characterization of Small-Particle Plasma Spray Coatings". J. Am. Ceram. Soc. 82 (8) 2204-2208 (1999)						
LX	Bouyer, et al. "Characterization of SiC and Si ₃ N ₄ coatings synthesized by means of inductive thermal plasma from disilane precursors". Applied Organometallic Chemistry. Appl. Organometal. Chem. 2001; 15: 833-840						
EXAMINER <i>Lux Ru</i>				DATE CONSIDERED <i>1/18/06</i>			
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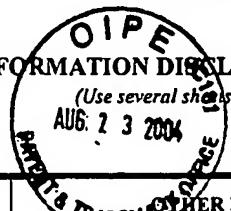
INFORMATION DISCLOSURE CITATION <small>(Use several sheets if necessary)</small>			ATTY DOCKET NO. UCT-0040		APPLICATION NO. 10/755,856	
			Gell, et al.		FILING GROUP ART January 12, 2004 1762	
U.S. PATENT DOCUMENTS						
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
LX	5,744,777	4/28/1998	Bernecki, et al.	219	121.47	5/31/1996
	5,858,470	1/12/1999	Bernecki, et al.	427	453	8/1/1997
	5,876,683	3/2/1999	Glumac, et al.	423	325	11/2/1995
✓	6,025,034	2/15/2000	Strutt, et al.	427	450	2/5/1998
✓	6,132,653	10/17/2000	Hunt, et al.	264	5	4/16/1999
U.S. PATENT APPLICATION PUBLICATIONS						
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						YES
						NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
LX		Davi, et al. "Single-step deposition of Eu-doped Y ₂ O ₃ phosphor coatings through a precursor plasma spraying technique". J. Mater. Res., Vol 17, No. 11, Nov. 2002. pp. 2771-2774				
LX		Karthikeyan, et al. "Preparation of Nanophase Materials by Thermal Spray Processing of Liquid Precursors". NanoStructured Materials, Vol. 9, pp. 137-140. 1997				
EXAMINER			DATE CONSIDERED			
<i>Lux</i>			1/18/08			
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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
1X	6,195,504	2/27/2001	Horie, et al.	392	394	11/19/1997
1	6,277,448	8/21/2001	Strutt, et al.	427	452	6/4/1999
✓	6,432,487	8/13/2002	Graham, et al.	427	454	12/28/2000
✓	4,447,848	09/10/2002	Chow, et al.	427	446	6/30/1998
U.S. PATENT APPLICATION PUBLICATIONS						
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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
4	Karthikeyan, et al. "nanomaterial Deposits Formed by DC Plasma Spraying of Liquid Feedstocks". J. Am. Ceram. Soc., 81 (1) 121-128 (1998)					
LX	Karthikeyan, et al. "Nanomaterial Powders and Deposits Prepared by Flame Spray Processing of Liquid Precursors". NanoStructured Materials, Vol. 8. No. 1, pp. 61-74, 1997					
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<i>luzi Ru</i>			1/18/06			
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AUG. 23 2004



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Group Art Unit

1762 1725

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INITIAL

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

LX Padture, et al. "Towards Durable Thermal Barrier Coatings with Novel Microstructures Deposited by Solution-Precursor Plasma Spray". Acta mater. 49 (2001) 2251-2257

LL Su, et al. "In Situ Characterization of Small-Particle Plasma Sprayed Powders". Journal of Thermal Spray Technology Vol. 11 (1) March 2002 pp 52-61

LL Parukuttyamma, et al. "Yttrium Aluminum Garnet (YAG) Films through a Precursor Plasma Spraying Technique". J. Am. Ceram. Soc., 84 (8) 1906-1908 (2001)

LL Tikkannen, et al. "Characteristics of the liquid flame spray process". Surface and Coatings Technology 90 (1997) 210-216

LL Schlichting, "Failure Modes in Plasma-Sprayed Thermal Barrier Coatings" University of Connecticut, (2000) 186 pages

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